

Abstract

The Windshield Umbrella is a safety device designed to yield the maximum visibility in poor weather conditions. In inclement weather (rainstorms, rain downpours, hail, sleet, etc.) the unit protrudes from the top of any windshield to serve as a shield and drainage device. It is wind-resistant and can be retracted when not in use, or the self-mounting unit can be removed for easy storage. The Windshield Umbrella can be available as a permanent remote operated unit with roof harness or as a completely removable self-mounted unit. (Manufacturing Specifications) Sleeve/Shield: Lightweight, fibrous polymer composites reinforced with durable steel frame tested for shearing strength. Brackets: Non-oxidizing alloy.

The present invention relates to an umbrella windshield covering used to protect the vision of a driver while driving in severe heavy rainstorms, hail, sleet, etc. This windshield umbrella covering can also be used as an automobile shade. As a shade it will reduce the amount of the sun's heat and ultraviolet rays entering through the windshield. This windshield umbrella can be made onto the top of the automobile as a permanent fixture. It can be housed in the harness on top of the roof of the automobile and then released electrically via steering column or dashboard access when flash floods or inclement weather occurs. The umbrella can be hidden back into the harness when not in use, see fig. 1h of the permanent remote unit. The windshield umbrella can also be attached manually by mounting the chassis or harness into the mounting brackets on the top of the automobile and released or retracted manually, see fig. 1b & 1c. The self-mounting unit can be removed and stored in the trunk of an automobile when not in use.

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